

source operable to apply a constant bias voltage to the common electrode of each piezoelectric element.

28. (New) An ink-jet printer driving apparatus comprising:

a print head comprising a plurality of nozzles;

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a plurality of piezoelectric elements, each associated with a respective one of the nozzles and comprising a drive electrode and a common electrode; and

a head driver operable to generate a drive signal for driving the piezoelectric elements, and selectively supply the drive signal to at least one of the piezoelectric elements to eject an ink droplet from at least one associated nozzle, the head driving apparatus comprising a bias power source connected directly to the common electrode of each piezoelectric element and operable to apply a bias voltage to the common electrode of each piezoelectric element.

29. (New) A method of driving a jetting head in a liquid jetting apparatus, the method comprising:

providing a liquid jetting apparatus comprising:

a jetting head, provided with a plurality of nozzles;

a plurality of piezoelectric elements, each piezoelectric element associated with one of the nozzles and provided with a drive electrode and a common electrode; and

all
a head driver, operable to generate a drive signal for driving the piezoelectric elements, and further operable to selectively supply the drive signal to at least one of the piezoelectric elements to eject an ink droplet from at least one associated nozzle; providing a bias power source in the liquid jetting apparatus; and applying a constant bias voltage having a predetermined potential from the bias power source to the common electrode of each piezoelectric element.
